

Setup Guide — DA AV EQ Series

The Extron® DA AV EQ series are distribution amplifiers (DAs) that are available with composite video or S-video plus audio, audio only, and video only. They provide long cable drive capability and individual gain and equalization adjustment for each output pair. The two dual models can each be configured to function as two DAs.

IMPORTANT:
Refer to www.extron.com for the complete user manual and installation instructions before connecting the product to the power source.

This guide provides basic instructions for an experienced installer to set up and operate these distribution amplifiers.

Step 1 — Turn off and disconnect all equipment from power source

Step 2 — Mount the unit (optional)

If desired, mount the DA on a 9.5 inches deep or 6 inches deep rack shelf, or on furniture.

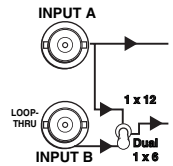
Step 3 — Connect video devices (all models except DA 6A)

- **Connect video input:** Connect a composite video or an S-video source device to the Input connector. If using a DA 12V/6V or a DA 8V/4V in dual mode, connect input devices to the Input A and Input B connectors.
- **Connect video output:** Connect one or more video output devices to the composite video or S-video output connectors.

Step 4 — Set dual mode toggle switch (Dual EQ models only)

Set the toggle switch for dual or single mode as follows:

- **Dual mode:** Set the toggle switch **down** to Dual 1x4 for the DA 8V/4V or Dual 1x6 for the DA 12V/6V, as shown at right. The DA functions as two 1-input, 8- or 12-output DAs.
- **Single mode:** Set the toggle switch **up** to 1x8 for the DA 8V/4V or 1x12 for the DA 12V/6V. The DA functions as a 1-input, 8- or 12-output DA with active loop-through.



Step 5 — Connect monitor for loop-through (optional)

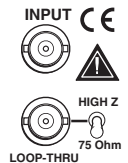
Connect a monitor to the Loop-Thru connector for passive loop-through, if desired.

For DA 12V/6V or DA 8V/4V Dual EQ models: If the DA will **not** be used in dual mode, connect a monitor to the Input B connector for active loop-through, if desired.

Step 6 — Set termination toggle switch

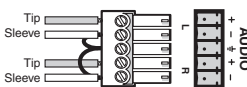
For all models except DA 6A, DA 12V/6V, and DA 8V/4V Dual EQ:

- If a monitor is connected to the Loop-Thru connector, set the Termination toggle switch **up** to high Z for passive loop-through, as shown at right.
- If no monitor is connected, set this switch **down** to 75 Ohm.

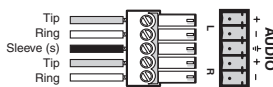


Step 7 — Connect audio inputs

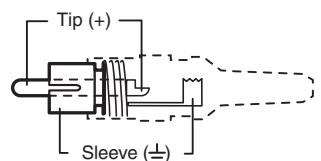
Wire the captive screw or RCA connectors to an audio source as shown below.



Unbalanced Input



Balanced Input

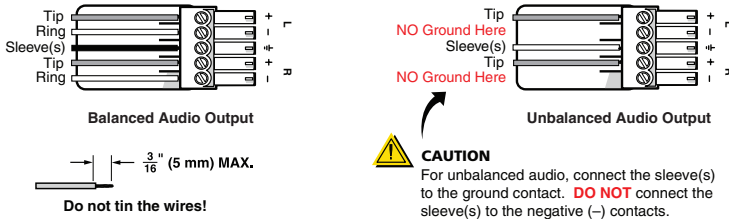


RCA connector

Setup Guide — DA AV EQ Series, cont'd

Step 8 — Connect audio outputs

Connect audio output devices to the RCA or captive screw audio Output connectors as shown below (captive screw) and in *Step 7* (RCA).



NOTE For advanced audio settings, refer to chapter 2, "Installation and Rear Panel," of the DA AV EQ Series User's Manual.

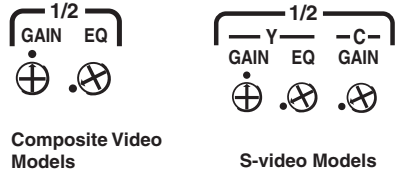
Step 9 — Power on

Connect power to the DA and to all input and output devices.

Step 10 — Adjust potentiometers for output cable lengths (if needed)

- If using very short output cables, ensure that the potentiometers are in the unity gain position; that is, with the arrow on each potentiometer pointing to the dot beside or above it. If the potentiometers are already in the unity position (shown in the example for inputs 1 and 2, at right). **Do not change them.**

If the potentiometers are not in unity gain position, rotate them, using a small screwdriver.

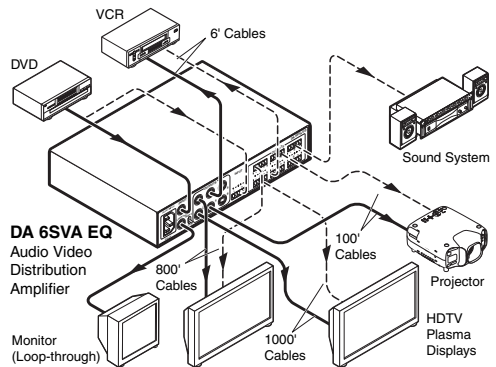


- If using long cables, follow these steps to adjust the potentiometers:

- Send the Color Bars test signal to the input, using a video test generator such as the Extron VTG 300.
- Adjust the Gain potentiometers for output pair 1 and 2 until the signal level at the far end is the same as the input (or the display shows the correct brightness and contrast).
- Adjust the EQ potentiometer for outputs 1 and 2 so that no overshoot or round front corners appear at the far end on the scope (or until you see a sharp picture with no smearing).
- Repeat steps b and c for the rest of the outputs.

Application Diagram

The figure at right provides an example of how a DA AV EQ series distribution amplifier may be connected.



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